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Response to Office Action Dated 12/02/2004

1 This listing of claims replaces all prior versions and listings:

2 **Listing of Claims:**

3 1. (currently amended) A method comprising:

4 presenting a free floating field in line with text in a document, the free

5 floating field presenting content derived from a source;

6 determining, upon selection of the free floating field, a type of content in
7 the free floating field;

8 interpreting user entry based upon the type of content in the free floating
9 field; and

10 upon modification of the source, automatically updating the content in the
11 free floating field, field; and

12 ~~wherein the free floating field and the source are in a nested relationship.~~

13 2. (currently amended) A method comprising:

14 presenting a free floating field in line with text in a document, the free
15 floating field presenting content derived from a source;

16 determining, upon selection of the free floating field, a type of content in
17 the free floating field;

18 interpreting user entry to the free floating field based upon the type of
19 content in the free floating field;

20 upon modification of the source, automatically updating the content in the
21 free floating field; and

22 wherein the document is written in a markup language.

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2 3. (original) The method of claim 1, wherein the source is text and the free
3 floating field presents the text.

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5 4. (original) The method of claim 1, wherein the source is a data value and
6 the free floating field presents the data value.

7

8 5. (previously presented) The method of claim 1, wherein the free floating
9 field presents content derived from referencing the source.

10

11 6. (original) The method of claim 1, further comprising:
12 presenting a table containing multiple cells in which one cell is the source;
13 and
14 upon modification of the cell, automatically updating the content in the free
15 floating field.

16

17 7. (original) The method of claim 1, wherein the free floating field is a first
18 free floating field, the method further comprising:
19 presenting a second free floating field, the second free floating field
20 presenting content derived from referencing the first free floating
21 field; and
22 upon modification of the source, automatically updating the contents in the
23 first and second free floating fields.

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- 1 8. (original) The method of claim 1, further comprising overlaying a formula
2 edit box on the free floating field to facilitate user entry of a formula into
3 the free floating field.
- 4
- 5 9. (original) The method of claim 8, further comprising resizing the formula
6 edit box as the user enters the formula.
- 7
- 8 10. (original) The method of claim 8, further comprising extending the formula
9 edit box horizontally and subsequently vertically as the user enters the
10 formula.
- 11
- 12 11. (original) The method of claim 1, further comprising:
13 creating a cell structure in association with the free floating field, the cell
14 structure holding one of a formula or data used in the free floating
15 field; and
16 creating a format structure in association with the free floating field, the
17 format structure holding formatting information for the free floating
18 field.
- 19
- 20 12. (original) The method of claim 1, further comprising formatting the free
21 floating field independently of the text.
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1 13. (original) The method of claim 1, further comprising modifying a format
2 of the text and automatically applying the format modification to the free
3 floating field.

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5 14. (currently amended) The method of claim 1, further comprising:
6 ~~determining, upon selection of the free floating field, a type of content in~~
7 ~~the free floating field; and~~
8 ~~interpreting user entry based upon the type of content in the free floating~~
9 ~~field.~~

10 wherein the free floating field and the source are in a nested relationship.

11
12 15. (currently amended) The method of claim[14]1, wherein the
13 determining comprises:
14 evaluating whether the type of content is a formula or non-text data;
15 if the type of content is a formula or non-text data, interpreting the user
16 entry as applicable to spreadsheet functions; and
17 if the type of content is not a formula or non-text data, interpreting the user
18 entry as applicable to word processing functions.

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1 16. (currently amended) The method of claim[[14]]1, wherein the
2 determining comprises:
3 evaluating whether the type of content is a formula;
4 if the type of content is a formula, highlighting all of the formula and
5 allowing editing in a formula edit box; and
6 if the type of content is not a formula, placing a cursor in the free floating
7 field.

8

9 17. (original) A computer readable medium having computer-executable
10 instructions that, when executed on one or more processors, perform the
11 method as recited in claim 1.

12

13 18. (withdrawn) A method comprising:
14 nesting a free floating field within a table in a document;
15 enabling a user to enter a formula into the free floating field; and
16 automatically recalculating the formula in the free floating field.

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18 19. (withdrawn) The method of claim 18, wherein the enabling comprises
19 overlaying a formula edit box on the free floating field to facilitate user
20 entry of the formula into the free floating field.

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22 20. (withdrawn) The method of claim 19, further comprising resizing the
23 formula edit box as the user enters the formula.

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1 21. (withdrawn) The method of claim 19, further comprising extending the
2 formula edit box horizontally and subsequently vertically as the user enters
3 the formula.

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5 22. (withdrawn) The method of claim 18, further comprising inserting a table
6 that contains multiple cells, wherein the data value resides in one cell of the
7 table so that upon modification of the data value in the cell, the formula in
8 the free floating field is automatically recalculated.

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10 23. (withdrawn) The method of claim 18, wherein the free floating field is a
11 first free floating field and the formula is a first formula, the method further
12 comprising:
13 inserting a second free floating field;
14 enabling the user to enter a second formula into the second free floating
15 field, the second formula referencing the first free floating field; and
16 upon modification of the data value, the first and second formulas in the
17 first and second free floating fields are automatically recalculated.

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19 24. (withdrawn) The method of claim 18, further comprising:
20 creating a cell structure in association with the free floating field, the cell
21 structure holding the formula; and
22 creating a format structure in association with the free floating field, the
23 format structure holding formatting information for the free floating
24 field.

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2 25. (withdrawn) A computer readable medium having computer-executable
3 instructions that, when executed on one or more processors, perform the
4 method as recited in claim 18.

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6 26. (withdrawn) A method comprising:
7 presenting a free floating field in line with text in a table;
8 overlaying a formula edit box on the free floating field to facilitate user
9 entry of a formula into the free floating field; and
10 wherein the free floating field and the table are in a nested relationship.

11
12 27. (withdrawn) The method of claim 26, wherein the formula edit box
13 initially defaults to a size and shape of the free floating field.

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15 28. (withdrawn) The method of claim 26, further comprising resizing the
16 formula edit box as the user enters the formula.

17
18 29. (withdrawn) The method of claim 26, further comprising extending the
19 formula edit box horizontally and subsequently enlarging the formula edit
20 box vertically as the user enters the formula.

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1 30. (withdrawn) The method of claim 26, further comprising:
2 presenting at least one table; and
3 enabling a user to reference a cell in the table to add a data value to the
4 formula.

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6 31. (withdrawn) A computer readable medium having computer-executable
7 instructions that, when executed on one or more processors, perform the
8 method as recited in claim 26.

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10 32. (withdrawn) A method comprising:
11 nesting a free floating field within a table;
12 presenting the table within a document, wherein the table has a cell with
13 contents; and
14 enabling a user to reference the cell in the table when entering a formula in
15 the free floating field.

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17 33. (withdrawn) The method of claim 32, further comprising, upon
18 modification of the contents in the cell of the table, automatically
19 recalculating the formula in the free floating field.

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1 34. (withdrawn) A method comprising:
2 presenting a free floating field in line with text; and
3 presenting a table within the document, the table having a cell with
4 contents;
5 enabling a user to reference the cell in the table when entering a formula in
6 the free floating field; and
7 wherein the free floating field is nested within a cell of the table.

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9 35. (withdrawn) A method comprising:
10 presenting a free floating field in line with text; and
11 presenting a table within the document, the table having a cell with
12 contents;
13 enabling a user to reference the cell in the table when entering a formula in
14 the free floating field; and
15 wherein the table is nested within the free floating field.

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17 36. (withdrawn) The method of claim 32, wherein the formula also references
18 a value outside of the table.

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20 37. (withdrawn) A computer readable medium having computer-executable
21 instructions that, when executed on one or more processors, perform the
22 method as recited in claim 32.

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1 38. (withdrawn) A method comprising:
2 inserting one of a first free floating field or a spreadsheet table in text;
3 in response to user selection of at least a portion of the text or data,
4 automatically creating a second free floating field containing the
5 portion of the text;
6 creating a reference in the first free floating field or spreadsheet table to the
7 second free floating field; and
8 wherein the first free floating field or spreadsheet table is in a nested
9 relationship with second free floating field.

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11 39. (withdrawn) The method of claim 38, further comprising, upon
12 confirmation, displaying the portion of the text in place of the first free
13 floating field.

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15 40. (withdrawn) The method of claim 38, further comprising, upon
16 modification of the text in the second free floating field, automatically
17 updating the first free floating field.

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19 41. (withdrawn) A computer readable medium having computer-executable
20 instructions that, when executed on one or more processors, perform the
21 method as recited in claim 38.

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1 42. (withdrawn) A method comprising:
2 nesting a free floating field within a table;
3 creating a cell structure to hold one of data or a formula for the free floating
4 field;
5 creating a format structure to hold formatting information for the free
6 floating field;
7 receiving, into the free floating field, user entry of a reference to a source in
8 the document;
9 parsing the user input to update the cell structure and the format structure;
10 in an event the user input causes changes in the cell structure or format
11 structure, updating the cell structure or format structure to produce a
12 new result; and
13 presenting the free floating field with the new result.

14
15 43. (withdrawn) A computer readable medium having computer-executable
16 instructions that, when executed on one or more processors, perform the
17 method as recited in claim 42.

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1 44. (withdrawn) A method comprising:
2 nesting a free floating field within a table within a common document, the
3 free floating field supporting spreadsheet functionality;
4 enabling a user to select a control function to modify or evaluate an aspect
5 of the document; and
6 applying the control function across both text within a table and the free
7 floating field.

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9 45. (withdrawn) The method of claim 44, wherein the control function is
10 selected from a group of functions including formatting, spell checking,
11 grammar checking, find, find and replace, auto-correct, applying document
12 themes, inserting lists, images, drawings, charts, hyperlinks, automatic
13 detection of hyperlinks, and automatic detection of lists.

14

15 46. (withdrawn) The method of claim 44, wherein the control function is any
16 text feature that can be applied to the text and the applying comprises
17 applying that text feature to the free floating field.

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19 47. (withdrawn) A method comprising:
20 presenting a free floating field in line with text in a table;
21 number formatting the free floating field independent of the text; and
22 wherein the free floating field and the table are in a nested relationship.

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1 48. (withdrawn) A user interface comprising:
2 a table containing a text entry area that permits entry of individual lines of
3 text; and
4 a free floating field nested within the table, the free floating field presenting
5 content derived from source data or referencing source data such that
6 upon modification of the source data, the free floating field
7 automatically re-derives the content and presents the re-derived
8 content.

9

10 49. (withdrawn) The user interface of claim 48, wherein the content of the free
11 floating field is presented as text when not being edited.

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13 50. (withdrawn) The user interface of claim 48, wherein the free floating field
14 exhibits a change in appearance when selected for editing.

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16 51. (withdrawn) The user interface of claim 48, wherein the free floating field
17 contains a formula and the source is a data value.

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19 52. (withdrawn) The user interface of claim 48, wherein a formula edit box is
20 overlaid on the free floating field to facilitate user entry of a formula into
21 the free floating field.

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23 53. (withdrawn) The user interface of claim 52, wherein the formula edit box
24 dynamically resizes as the user enters the formula.

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2 54. (withdrawn) The user interface of claim 52, wherein the formula edit box
3 extends horizontally and subsequently enlarges vertically as the user enters
4 the formula.

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6 55. (withdrawn) The user interface of claim 48, wherein the free floating field
7 is a first free floating field and further comprising a second free floating
8 field inline within text, the second free floating field presenting content
9 derived from referencing the first free floating field.

10
11 56. (withdrawn) The user interface of claim 48, further comprising a table with
12 multiple cells, the table having a particular cell that presents content
13 derived from referencing the free floating field.

14
15 57. (withdrawn) A user interface comprising:
16 at least one table residing within a document, the table having multiple
17 cells;
18 at least one free floating field nested within the at least one table, the free
19 floating field containing a formula that references a cell in the table;
20 and
21 the formula in the free floating field being automatically recalculated upon
22 modification of the cell in the table.

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1 58. (withdrawn) The user interface of claim 57, wherein the free floating field
2 is a first free floating field and further comprising a second free floating
3 field containing a reference to the first free floating field.

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5 59. (withdrawn) A user interface comprising:
6 at least one table residing within a document, the table having multiple
7 cells;
8 at least one free floating field inline with text in the document, the free
9 floating field containing a formula that references a cell in the table;
10 the formula in the free floating field being automatically recalculated upon
11 modification of the cell in the table; and
12 wherein the free floating field is nested within a cell of the table.

13
14 60. (withdrawn) A user interface comprising:
15 at least one table residing within a document, the table having multiple
16 cells;
17 at least one free floating field inline with text in the document, the free
18 floating field containing a formula that references a cell in the table;
19 the formula in the free floating field being automatically recalculated upon
20 modification of the cell in the table; and
21 wherein the table is nested within the free floating field.

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1 61. (withdrawn) The user interface of claim 57, further comprising a formula
2 edit box overlaid on the free floating field to facilitate user entry of the
3 formula.

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5 62. (withdrawn) The user interface of claim 57, further comprising multiple
6 tables and multiple free floating fields, at least one of the tables and free
7 floating fields containing a formula that references at least one other of the
8 tables and free floating fields.

9

10 63. (withdrawn) An architecture comprising:
11 a user interface comprising a table within which is nested a free floating
12 field inline with text within the table;
13 a free floating field component to receive data or a formula entered into the
14 free floating field; and
15 a spreadsheet functionality manager to manage spreadsheet functions for
16 the free floating field.

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18 64. (withdrawn) The architecture of claim 63, wherein the user interface
19 overlays a formula edit box on the free floating field to facilitate user entry
20 of a formula.

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1 65. (withdrawn) The architecture of claim 63, wherein the spreadsheet
2 functionality manager comprises:

3 a cell structure to maintain the data or formula entered into the free floating
4 field; and

5 a format table to maintain formatting information used in the free floating
6 field.

7

8 66. (withdrawn) The architecture of claim 63, wherein the free floating field
9 receives a formula, and the spreadsheet functionality manager comprises:

10 a first memory structure to hold source data;

11 a second memory structure to maintain the formula entered into the free
12 floating field, the formula referencing the data in the first memory
13 structure; and

14 a recalculation engine to recalculate the formula in the second memory
15 structure following a change to the data in the first memory
16 structure.

17

18 67. (withdrawn) The architecture of claim 63, wherein the user interface
19 presents at least one table within the document, and the spreadsheet
20 functionality manager is configured to track references made between the
21 free floating field and the table.

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1 68. (withdrawn) The architecture of claim 63, wherein the user interface
2 presents at least one table within the document, and the spreadsheet
3 functionality manager is configured to track references made between the
4 free floating field and the table, the spreadsheet functionality manager
5 being further configured to update any data and formulas in the table and
6 free floating fields that are affected by a change made to one of the table or
7 the free floating field.

8
9 69. (withdrawn) A computer comprising:
10 a memory;
11 a processing unit coupled to the memory; and
12 an architecture stored in the memory and executable on the processing unit
13 to construct and display a document having a free floating field
14 nested within a table the free floating field supporting spreadsheet
15 functionality.

16
17 70. (withdrawn) The computer of claim 69, wherein the free floating field
18 contains a formula that references source data, and upon modification of the
19 source data, the architecture automatically recalculates the formula in the
20 free floating field.

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1 71. (withdrawn) The computer of claim 69, wherein the architecture constructs
2 multiple free floating fields within the document, at least one free floating
3 field containing a reference to contents in another free floating field.

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5 72. (withdrawn) The computer of claim 69, wherein the architecture constructs
6 a table within the document and the free floating field contains a reference
7 to contents in the table.

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9 73. (withdrawn) The computer of claim 69, wherein the architecture
10 comprises:

11 a user interface manager to receive user input into the free floating field;
12 and

13 a spreadsheet functionality manager to manage the spreadsheet
14 functionality of the free floating field based on the user input
15 received by the user interface manager.

16

17 74. (withdrawn) A computer readable medium having computer-executable
18 instructions that, when executed on one or more processors, performs the
19 following:

20 nest a free floating field in line with text within a table in a document;

21 create a reference, within the free floating field, to at least one source
22 elsewhere in the document; and

23 upon modification of the source, automatically update the free floating
24 field.

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2 75. (withdrawn) The computer readable medium of claim 74, wherein the
3 source is text and the free floating field references the text.

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5 76. (withdrawn) The computer readable medium of claim 74, wherein the
6 source is a data value and the free floating field contains a formula that
7 references the data value.

8
9 77. (withdrawn) The computer readable medium of claim 74, wherein the free
10 floating field is a first free floating field, and further comprising computer-
11 executable instructions to:

12 display a second free floating field;

13 create a reference, within the second free floating field, to the first free
14 floating field; and

15 upon modification of the source, automatically update the first and second
16 free floating fields.

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1 78. (withdrawn) A computer readable medium having computer-executable
2 instructions that, when executed on one or more processors, performs the
3 following:

4 present a free floating field nested within a table and in line with text;
5 receive user-entered formula into the free floating field, the formula
6 referencing at least one data value elsewhere in the document; and
7 upon modification of the data value, automatically recalculate the formula
8 in the free floating field.

9
10 79. (withdrawn) The computer readable medium of claim 78, further
11 comprising computer-executable instructions to overlay a formula edit box
12 on the free floating field to facilitate user entry of the formula into the free
13 floating field.

14
15 80. (withdrawn) The computer readable medium of claim 78, further
16 comprising computer-executable instructions to:
17 create a reference from the free floating field to a cell in the table.

18
19 81. (currently amended) The method of claim 1, wherein:
20 the source is a cell within a table; and
21 wherein the nested relationship comprises nesting the free floating field is
22 nested within the table.

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1 82. (currently amended) The method of claim 1, wherein:
2 the source is a cell within a table; and
3 wherein the nested relationship comprises nesting the table is nested within
4 the free floating field.

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